BRUHAT BANGALORE MAHANGARA PALIKE

Yelahanka Satellite Town Sub Division, Bangalore.

Name of Work: Construction of Samudaya Bhavana in Kanakanagara in ward no:04

			Estimate Cost Rs.					1999000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1 PW, P & IWTD -SR 2013-14)	Cum							
			1	20.00	10.00	0.20	**40.00**	124.02	**4961.00**
	Basic Rate	117.00							
	Area Weightage @ 6%	7.02							
	Total	**124.02**							
2	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in hard soil** not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1 (b) / 2.3.5 (P.5/I.2.4 PW.	Cum							
	Allround		1	45.00	0.90	1.10	44.55		
	Main C/w		1	7.00	0.90	1.10	6.93		
	Columns		12	1.50	1.50	1.50	40.50		
							91.98		
	Deductions - Columns		12	1.50	0.90	1.10	-17.82		
							74.16	223.66	**16587.00**
	Basic Rate	211.00							
	Area Weightage @ 6%	12.66							
	Total	**223.66**							

3	KSRB 2.10: Providing sand cement bed with 5% cement with all leads for all materials and lift of 1.5 m. machine mixed, laid in layers of 15cms. thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications. specification No. KBS (P.6/I.2.17 PW, P & IWTD - SR 2013-14)	Cum							
	Allround		1	45.00	0.90	0.15	6.08		
	Main C/w		1	7.00	0.90	0.15	0.95		
	Columns		12	1.50	1.50	0.15	4.05		
							11.08		
	Deductions - Columns		12	1.50	0.90	0.15	-2.43		
							8.65	2604.42	**22528.00**
	Basic Rate	2457.00							
	Area Weightage @ 6%	147.42							
	Total	**2604.42**							
4	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4.8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KBS 4.1, 4.2 (P.12/I.4.3 PW, P & IWTD -SR 2013-14)	Cum							
	Allround		1	45.00	0.90	0.15	6.08		
	Main C/w		1	7.00	0.90	0.15	0.95		
	Columns		12	1.50	1.50	0.15	4.05		
	Flooring		1	14.40	7.00	0.15	15.12		
	Flagging		2	16.00	1.00	0.15	4.80		
			1	7.00	1.00	0.15	1.05		
							32.05		
	Deductions - Columns		12	1.50	0.90	0.15	-2.43		
							29.62	4211.38	**124741.00**
	Basic Rate	3973.00							
	Area Weightage @ 6%	238.38							
	Total	**4211.38**							
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P 25/I 5.6 PW, P & IWTD-SR 2013-14)	Cum							
	1st Short - Allround		1	245.00	(0.75+0.50)	1.00	28.13		

					2				
	Main C/w		1	7.00	(0.75+0.50)	1.00	4.38		
					2				
	Steps		2	1.50	1.00	0.20	0.60		
	2nd Short - Allround		1	45.00	0.45	0.45	9.11		
	Main C/w		1	7.00	0.45	0.45	1.42		
	C/w		1	1.50	0.80	0.20	0.24		
							43.87		
	Deductions - Columns		12	0.20	0.60	1.25	-1.80		
							42.07	3484.22	**146581.00**
	Basic Rate	3287.00							
	Area Weightage @ 6%	197.22							
	Total	**3484.22**							
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.26/I.5.9 PW, P & IWTD -SR 2013-14))	Cum							
	2nd Short - Allround		1	45.00	0.45	0.45	9.11		
	Main C/w		1	7.00	0.45	0.45	1.42		
			2	1.50	0.40	0.20	0.24		
			2	1.50	0.20	0.20	0.12		
							10.89		
	Deductions - Columns		12	0.20	0.45	0.45	-0.49		
							10.40	4148.84	**43148.00**
	Basic Rate	3914.00							
	Area Weightage @ 6%	234.84							
	Total	**4148.84**							
7	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.122/I.15.3 PW, P & IWTD -SR 2013-14)	Sqm							
	Allround		1	45.00		0.45	20.25		
	Steps		1	1.50		0.20	0.30		
							20.55	78.44	**1612.00**
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							

	KSRB 2.9 Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification No. KBS 2.9 (P.6/I.2.10 PW, P & IWTD -SR 2013-14)	Cum							
				Qty Vide Item No. 2			74.16	99.64	7389.00
	Basic Rate	94.00							
	Area Weightage @ 6%	5.64							
	Total	**99.64**							
9	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications Specification No. KBS 4.1, 4.6 (P.13/I.4.11 PW, P & IWTD -SR 2013-14)	Cum							
	Columns Footing		12	1.40	1.40	0.50	11.76		
	Columns		12	0.20	0.60	5.20	7.49		
	Plinth Beam - Allround		1	45.00	0.20	0.30	2.70		
	Main C/w		3	7.00	0.20	0.30	1.26		
	Lintels		1	45.00	0.20	0.20	1.80		
	Beams		1	45.00	0.20	0.45	4.05		
			4	7.00	0.20	0.60	3.36		
	Roof		1	14.40	7.00	0.150	15.12		
							47.54		
	Deductions - Lintels		12	0.20	0.20	0.20	-0.10		
			12	0.20	0.20	0.60	-0.29		
							-0.39		
							47.15	5535.32	260990.00
	Basic Rate	5222.00							
	Area Weightage @ 6%	313.32							
	Total	**5535.32**							

	KSRB 4-1.6 Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6 PW, P & IWTD -SR 2013-14)	Cum							
	Flagging		2	16.00	1.20	0.15	5.76		
			1	7.00	1.20	0.15	1.26		
	Cills - W		10	1.50	0.20	0.20	0.60		
	WPC		1	14.40	7.00	0.075	7.56		
							15.18	4690.50	**71202.00**
	Basic Rate	4425.00							
	Area Weightage @ 6%	265.50							
	Total	**4690.50**							
11	KSRB 4-4.3 : Extra for use of water proofing compound in Cement concrete of mix 1:2:4, at one kg of compound per bag of cement. Specification No. KBS (P.16/I.4.26 PW, P & IWTD -SR 2013-14)	Cum							
	WPC		1	14.40	7.00	0.075	7.56	160.06	**1210.00**
	Basic Rate	151.00							
	Area Weightage @ 6%	9.06							
	Total	**160.06**							
12	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.16/I.4.28 PW, P & IWTD -SR 2013-14)	Sqm							
	Columns Footing		12	5.60		0.45	30.24	220.48	**6667.00**
	Basic Rate	208.00							
	Area Weightage @ 6%	12.48							
	Total	**220.48**							

13	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.17/I.4.32 PW, P & IWTD -SR 2013-14)	Sqm							
	Columns Footing		12	1.60		5.20	99.84	330.72	33019.00
	Basic Rate	312.00							
	Area Weightage @ 6%	18.72							
	Total	**330.72**							
14	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.17/I.4.34 PW, P & IWTD -SR 2013-14)	Sqm							
	Plinth Beam - Allround		2	45.00		0.45	40.50		
	Main C/w		6	7.00		0.45	18.90		
	Lintels		2	45.00		0.20	18.00		
	Beams		2	45.00		0.45	40.50		
			8	7.00		0.60	33.60		
							151.50	239.56	36293.00
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	**239.56**							
15	KSRB 4-6.2: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.16/I.4.29 PW, P & IWTD -SR 2013-14)	Sqm							
	Roof		1	14.40	7.00		100.80	284.08	28635.00
	Basic Rate	268.00							
	Area Weightage @ 6%	16.08							
	Total	**284.08**							

	KSRB 4.2.10 Providing and laying in position reinforced cement concrete of nominal mix M 15 with 12mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.19 PW, P & IWTD -SR 2013-14)	Sqm							
			2	14.40	0.45		12.96	405.98	5262.00
	Basic Rate	383.00							
	Area Weightage @ 6%	22.98							
	Total	**405.98**							
17	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.17/I.4.37 PW, P & IWTD -SR 2013-14)	Sqm							
			2	14.40	0.45		12.96	242.74	3146.00
	Basic Rate	229.00							
	Area Weightage @ 6%	13.74							
	Total	**242.74**							
18	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.19/I.4.46 PW, P & IWTD -SR 2013-14)	Qtl							
	Columns Footings		11.76	kg/cum	50.00		588.00		
	Columns		7.49	kg/cum	120.00		898.80		
	Plinth Beams		3.96	kg/cum	80.00		316.80		
	Lintels		1.70	kg/cum	70.00		119.00		
	Beams		7.12	kg/cum	0.90		6.41		
	Roof		15.12	kg/cum	100.00		1512.00		
	Chajja		12.96	kg/sqm	10.00		129.60		
							3570.61		
							35.71	7244.04	258685.00
	Basic Rate	6834.00							
	Area Weightage @ 6%	410.04							

	Total	7244.04							
	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P.27/I.5.27 PW, P & IWTD -SR 2013-14)	Sqm							
	Allround		1	45.00		3.50	157.50		
			1	7.00		3.50	24.50		
			1	3.50		3.50	12.25		
	Parapet		1	45.00		0.90	40.50		
							234.75		
	Deductions - D		2	0.90		2.10	-3.78		
			1	1.80		2.10	-3.78		
	W		8	0.90		1.20	-8.64		
	V		8	0.90		0.60	-4.32		
	Cills - W		8	1.20		0.10	-0.96		
							-21.48		
							213.27	907.36	**193513.00**
	Basic Rate	856.00							
	Area Weightage @ 6%	51.36							
	Total	**907.36**							
20	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (P.56/I.9.11 PW, P & IWTD -SR 2013-14)	Cum							
	D		2	6.00	0.15	0.125	0.23		
			1	8.50	0.15	0.125	0.16		
	W		8	6.00	0.15	0.125	0.90		
							1.29	105456.22	**136039.00**
	Basic Rate	99487.00							
	Area Weightage @ 6%	5969.22							
	Total	**105456.22**							

21	KSRB 9.5-2 : Providing and fixing in position fully paneled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications, (excluding cost of fixtures) Specification No. KBS 9.34 (P.57/I.9.15 PW, P & IWTD -SR 2013-14)	Sqm							
	D		2	0.90		2.10	3.78		
	D		1	2.10		2.10	4.41		
							8.19	4501.82	**36870.00**
	Basic Rate	4247.00							
	Area Weightage @ 6%	254.82							
	Total	**4501.82**							
22	KSRB 9-16.2 : Providing and fixing in position Honne wood fully paneled shutters for windows with styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures). Specification No. KBS 9.34 (P.59/I.9.44 PW, P & IWTD - SR 2013-14)	Sqm							
	W		8	0.90		1.20	8.64	4753.04	**41066.00**
	Basic Rate	4484.00							
	Area Weightage @ 6%	269.04							
	Total	**4753.04**							

	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4 Nos. of hold fasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of	Sqm							
	Ventilator		8	0.90		0.60	4.32	3638.98	**15720.00**
	Basic Rate	3433.00							
	Area Weightage @ 6%	205.98							
	Total	**3638.98**							
24	KSRB 9-27.1 : Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. (P.62/I.9.80 PW, P & IWTD -SR 2013-14)	Nos							
			3				3.00	923.26	**2770.00**
	Basic Rate	871.00							
	Area Weightage @ 6%	52.26							
	Total	**923.26**							

	KSRB 9-27.2 : Fixing of window frame in an existing opening including embedding frame in floor sills walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. (P.62/I.9.81 PW, P & IWTD -SR 2013-14)	Nos							
			8				8.00	625.40	**5003.00**
	Basic Rate	590.00							
	Area Weightage @ 6%	35.40							
	Total	**625.40**							
26	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.123/I.15.21 PW, P & IWTD -SR 2013-14)	Sqm							
	Ceiling Plastering		1	14.40	7.00		100.80		
	Beam Sides		4x2	7.00	0.60		33.60		
							134.40	163.24	**21939.00**
	Basic Rate	154.00							
	Area Weightage @ 6%	9.24							
	Total	**163.24**							
27	KSRB 15-3.7 : Providing 18mm thick cement plastering single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.97-122/I.15.15 PW, P & IWTD -SR 2013-14)	Sqm							
	Inside plastering		1	45.00		3.50	157.50		
	Deductions - Door	0.50	2	0.90		2.10	-1.89		
		0.50	1	1.80		2.10	-3.78		
	W	0.50	8	0.90		1.20	-8.64		
	V	0.50	8	0.90		0.60	-4.32		
							-18.63		
	Basic Rate	198.00					138.87	209.88	**29146.00**
	Area Weightage @ 6%	11.88							
	Total	**209.88**							

28	KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.123/I.15.18 PW, P & IWTD -SR 2013-14)	Sqm							
	Outside plastering		1	45.00		5.20	234.00		
	Inside PP		1	45.00		0.90	40.50		
	Top PP		1	45.00		0.20	9.00		
							283.50		
	Deductions - Door	0.50	2	0.90		2.10	-1.89		
		0.50	1	1.80		2.10	-3.78		
	W	0.50	8	0.90		1.20	-8.64		
	V	0.50	8	0.90		0.60	-4.32		
							-18.63		
							264.87	223.66	**59241.00**
	Basic Rate	211.00							
	Area Weightage @ 6%	12.66							
	Total	**223.66**							
29	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.124/I.15.33 PW, P & IWTD -SR 2013-14)	Sqm							
			Qty Vide Item No. 26+27				273.27	19.08	**5214.00**
	Basic Rate	18.00							
	Area Weightage @ 6%	1.08							
	Total	**19.08**							
30	Providing and laying flooring using prepolished, water cut / gang saw 19mm thick using grey granite laid over existing floor in CM 1:4 at 20mm thick (average) and pointed with white / grey pigment etc., complete (P.117/I.14.47.1 PW, P & IWTD -SR 2013-14)	Sqm							
			1	14.40	7.00		100.80		
	Front		1	7.00		3.95	27.65		
	Skirting		1	45.00		0.15	6.75		
							135.20	2067.00	**279458.00**
	Basic Rate	1950.00							
	Area Weightage @ 6%	117.00							
	Total	**2067.00**							

31	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer (P.126/I.15.51.2 PW, P & IWTD - SR 2013-14)	Sqm							
				Qty Vide Item No. 29			200.86	63.60	12775.00
	Basic Rate	75.00							
	Area Weightage @ 6%	4.50							
	Total	**79.50**							
32	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer (P.127/I.15.53.2 PW, P & IWTD - SR 2013-14)	Sqm							
				Qty Vide Item No. 28			264.67	78.44	20776.00
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							
33	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and/or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (P.128/I 15.60.1 PW, P & IWTD - SR 2013-14)	Sqm							
	Door	2.25	2	0.90		2.10	8.51		
		2.25	1	1.80		2.10	8.51		
	W	2.50	8	0.90		1.20	21.60		
	V	0.25	8	0.90		0.60	1.08		
							39.69	78.44	3113.00
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							

	KSRB 8.6-5 : Providing and fixing on wall surface 2.5 kg / sq.cm class P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. (P.52/I.8.16 PW, P & IWTD -SR 2013-14)	Mtr							
			8	3.50			28.00	415.52	11635.00
	Basic Rate	392.00							
	Area Weightage @ 6%	23.52							
	Total	**415.52**							
	Electrification Facilities								
35	Supplying and wiring adoptiong loop system in existing PVC conduit /casing caping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose legnth in a wood/PVC round block, complete for each outlet. (P.4/I.8.I.C) Electrical SR 2010-11	No.							
	b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch		9				9	175.00	1575.00
	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch		6				6	368.00	2208.00
36	Supplying 6A flush /projected type socket and a 6 amps flush/projected type SP switch either surface mounting in a gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. (P.6/I.12a) Electrical SR - 2010-11	No							
			12				12	91.00	1092.00
37	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. (P.4/I.6) Electrical SR - 2013-14	Each							
	a) 4"x4"x3"		4				4	44.00	176.00
	b) 12"x12"x3"		1				1	98.00	98.00
	c) 10"x7"x3"		2				2	68.00	136.00

	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulated etc.., and fixing on existing wooden or metal box using N.F. screws.., (P.10/I.22) Electrical SR - 2013-14	Sq cmt					3000.00	0.22	660.00
39	Extra for groove cutting, plastering and colour washing for embedding PVC conduit/GI pipe and plastering finishing the wall upto wall surface complete upto 50mm conduit in brick in wall (P.3/I.7a) Electrical SR - 2013-14	Rmtr							
			1	40.00			40.00	14.00	560.00
40	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charcoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per IS1 specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia	Each							
			1				1	3000.00	3000.00
41	Supplying and fixing of porcelain fuse chanel with cut out on existing wooden/panel using ncessary nuts, bolts and washers etc complete (P.32/I.3a) Electrical SR - 2013-14.	Each							
			4				4	54.00	216.00
42	Supplying 20mm dia 2mm thick heavy guage PVC conduit pipe with suitable size bends, metal junction boxes, adhesive paste etc and running before concreting the slabs. The conduit should be tied to the reinforcement roads by using binding wire and unused ways of junction boxes and pipe ends should be covered using PVC and enclosures and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (P.2/I.2a) Electrical SR - 2013-14	Rmtr							
			1	40.00			40.00	32.00	1280.00

	Supplying and fixing PBBC brass/Bakelite straight or slant batten holder and wiring, within 60W/230 Volts lamps. (P.13/I.12a) Electrical SR - 2013-14.	No.							
			2				2	60.00	120.00
44	Supply patty type fluorescent tube light fitting of 4 feet 40 watts fluorescent tube of 230 volts made of M.S. sheet and stove enameled with heavy duty polyfill aluminum choke, starter, locking type brass contact holders mounted on foldable type sheet base fully wired for use on 230 volts AC supply including 1 Nos 4'-36/40 watts fluorecent tube A Group (P.16/I.2a) Electrical SR - 2013-14	No							
			10				10	400.00	4000.00
45	Wiring for lighting / power circute using one of PVC insulated 1100v/grade multies and copper conductor single core cable in open or consealed system of wiring A Group materials 1.50 Sqmm materials (P.9/I.20Ib) Electrical SR - 2013-14	Rmtr							
			1	160.00			160.00	15.00	2400.00
46	Supplying and running of GI / Copper conductor for grounding & (along with other wires of CTS or conduit system of wiring) using if necessary suitable size clamps bolts nuts and washers etc. (P.68/I.3Ic) Electrical SR - 2013-14 c) 40X6mm	Rmtr							
			1	6.00			6.00	221.00	1326.00
47	Supplying and fixing miniature circuit breakers/Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required (P.36/I.12Ba) Electrical SR - 2013-14	No.							
			1				1	370.00	370.00
48	Supplying capacitor type ceiling fan complete with down rod blades, shakle, regulator canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved (Almanord, Unique ISI, Anchor, Crompton, Khaitan, Bajaj, Usha Johnson make) (P.23/I.23IIa) Electrical SR - 2013-14	Nos							
			8	16			8	1900.00	15200.00

	Fixing a ceiling fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (P.29/I.8) Electrical SR - 2013-14	Nos	8				8	105.00	840.00
50	Supplying and fixing 32mm dia class A GI pipe bracket upto 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluoroscent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. (P.28/I.12b) Electrical SR-2013-14	Nos	4				4	685.00	2740.00
51	Digging of trench of 0.6m deep x 0.50mtr wide refiling the trench to the required ground level and consolidating etc., complete In Hard Soil (P.70/I.6b) Electrical SR - 2013-14	Rmtr	1	20.00			20.00	50.00	1000.00
	BESCOM	L/s							12000.00
53	Miscellaneous and Unforeseen Charges								1069.00
								Total	1999000.00

(Rupees Nineteen Lakhs Ninety nine Thousand Only)

ADMINISTRATIVELY SANCTIONED FOR Rs. 19.99 Lakhs
Rupees Nineteen Lakhs and Ninety Nine Thousand only
Under P-1771 General Work
Register as EE (Tech) No. 3/9...
Subject to conditions contained in enclosed memo EE ( ) No. ... dtd. ...
Estimate A/Sanctioned No. 281 dtd. 30-10-13 for Rs. 19.99 Lakhs
Jt. Commissioner (Yelahanka Zone) BBMP, Bengaluru-92
30/10/13

TECHNICALLY SANCTIONED FOR Rs. 19.99 Lakhs
Rupees Nineteen Lakhs and Ninety Nine Thousand only
Under P-1771 General Work
Register as EE ( ) No. ...
Subject to conditions contained in enclosed memo EE ( ) No. ... dtd. ...
EE/Yel/TS/11/2013-14 dtd. 30/10/2013
Sanctioned No. 111 dtd. 30/10/2013 for Rs. 19.99 Lakhs
Executive Engineer

CERTIFICATE:-

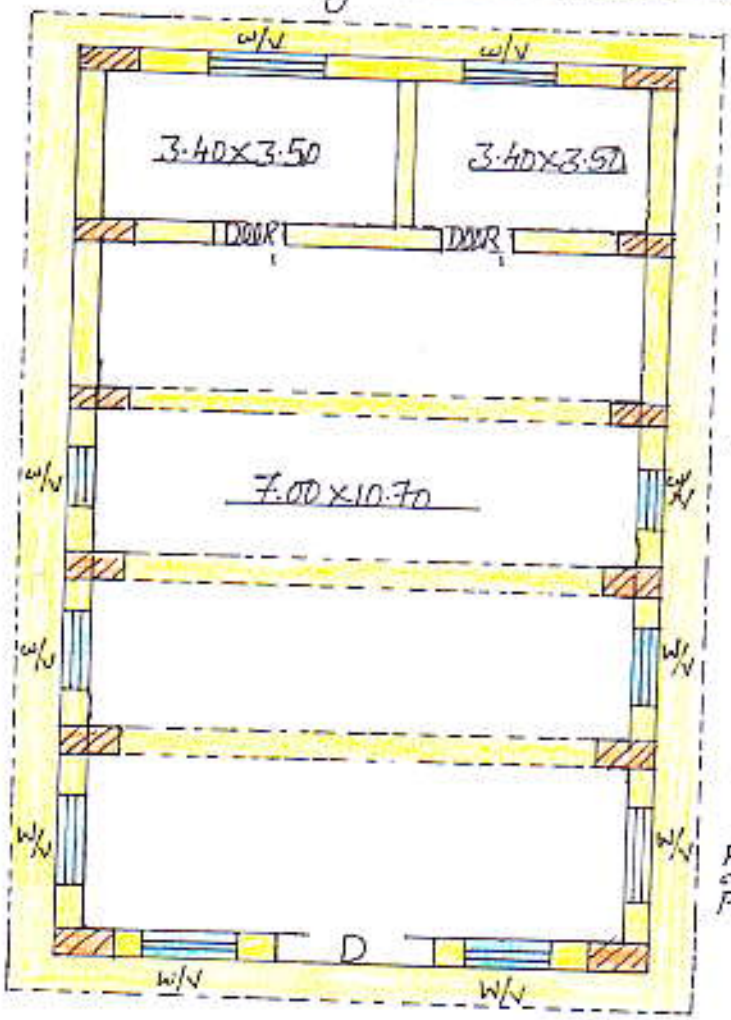
1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW.P.& IWTD SR and MI SR - 2013-14
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Assistant Engineer
Yelahanka Satellite Town Sub-
Yelahanka, Bangalore - 106

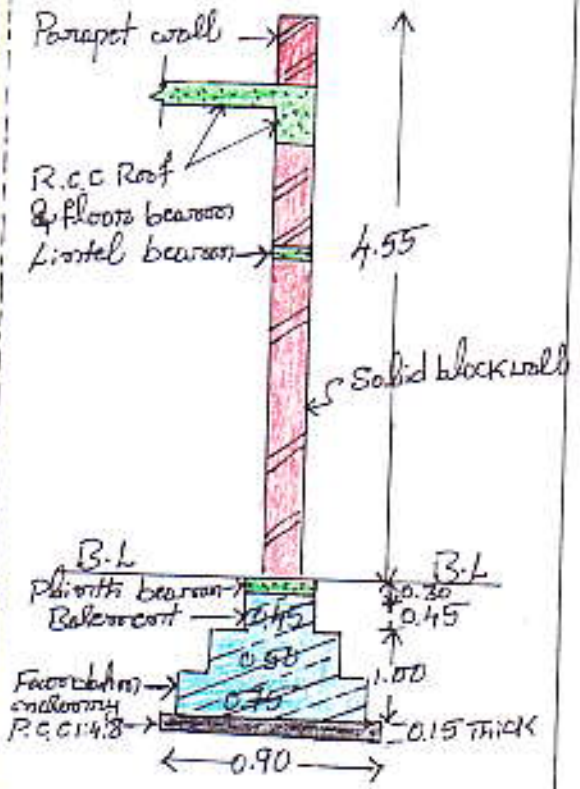
Asst. Exe. Engineer
Yelahanka Satellite Town Sub-Division,
Yelahanka, Bangalore.

Executive Engineer
Yelahanka Division
Bangalore.

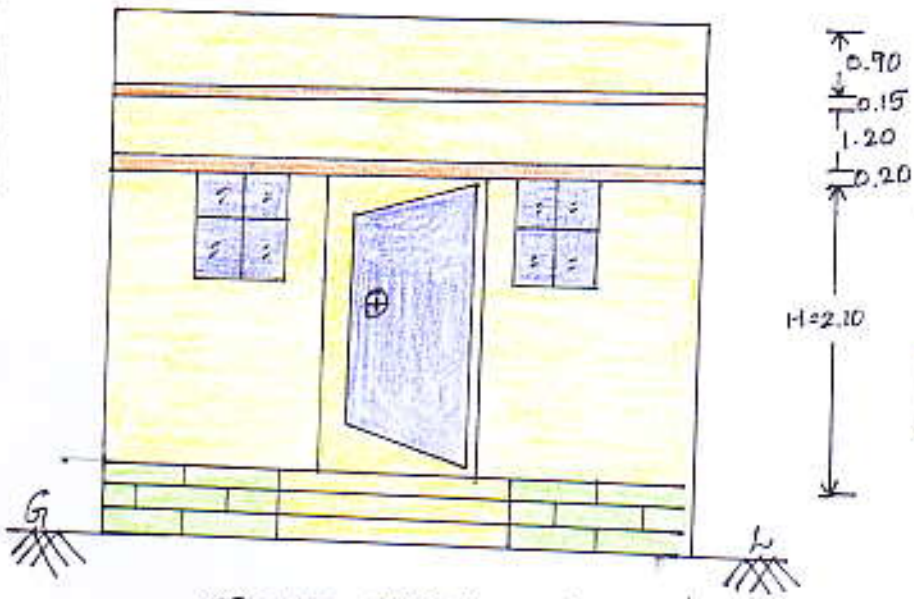
Name of work:- Construction of Saraswati Vidyalaya Bhawan at Kasaka Nagar in ward no-04



PLAN



C/S OF FOUNDATION WALL



FRONT ELEVATION

INDEX:-

COLUMNS:- 12 NOS X 0.60 X 0.20

DOOR :- 1 NOS X 2.10 X 2.10

DOOR$_1$:- 2 NOS X 0.90 X 2.10

W :- 8 NOS X 0.90 X 1.20

V :- 8 NOS X 0.90 X 0.45

(NOT TO SCALE)